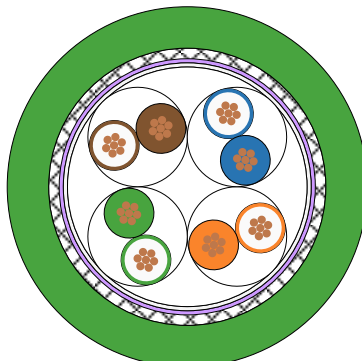


SeaLine

Cable type: 9Y(ST)CH 4X2X0.6/1.2-100 LI GN FRNC



Design

Wire

Stranded bare copper wire 7 X 0.2 (24 AWG) (0.22mm²)
Insulation of Polypropylene
Wall thickness about 0.3 mm

∅ 0.6 mm (0,024 in dia)
∅ 1.2 mm (0,047 in dia)

Pair

2 wires twisted to a pair

Core

4 pairs twisted
Sequence of colors: WHBU/BU - WHOG/OG - WHGN/GN - WHBN/BN
Plastic tape, overlapped
Alulaminat foil overlapped
Shield braiding of tinned copper wires 0.13 mm dia (36 AWG)
Coverage about 85%

∅ 5.8 mm (0,228 in dia)

Jacket

Thermoplastic copolymer (FRNC) GN
Wall thickness about 1.0 mm

∅ (7.8 ±0.3) mm (0,307 ±0,012 in dia)

Printing: "sequential length in metres" * BizLink **SeaLine** SCG * L45467-J816-B6 * LI9Y(ST)CH
4X2X0.22mm² FRNC Cat5+ * IEC 60332-3-22 * "internal lot number"

Electrical data at 20°C

Loop resistance	≤	180	Ohm/km
Insulation resistance	≥	5	GOhm*km
Signal run time	≤	5.3	ns/m
Capacitance (1 kHz)	≈	50	nF/km
Characteristic impedance 4 -100 MHz		(100 ± 15)	Ohm
Surface transfer impedance 10 MHz	≤	100	mOhm/m
Operating voltage		100	V
Test voltage (wire/wire/screen rms 50Hz 1min)		700	V

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Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
Next (dB)	65.3	56.3	50.3	47.2	45.8	42.9	38.4	35.3
PSNext (dB)	62.3	53.3	47.3	44.2	42.8	39.9	35.4	32.3
ELFext (dB)	63.8	51.8	43.8	39.7	37.8	33.9	27.9	23.8
PSELFext (dB)	60.8	48.8	40.8	36.7	34.8	30.9	24.9	20.8
Attenuation typ. (dB/100m)	2.1	4.0	6.3	8.0	9.0	11.4	16.5	21.3
Frequency	4	8	10	16	20	31.25	62.5	100
Return loss (dB)	23.0	24.5	25	25	25	23.6	21.5	20.1

Electrical requirements at max. 90m installed cable of the category 5 (EN 50288-2-1)

Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-A...

Screen material acc. to DIN EN 13602 Cu-ETP-A...-B

Insulating material acc. to DIN EN 50290-2-25, compound type full PP, table 4 part 1-5

Jacket material acc. to IEC 60092-360 (IEC 60092-359) SHF1

Flame retardant acc. to IEC 60332-3-22 (Cat. A)

Approved for Marine and Offshore Applications

DNV Certificate No. TAE000025S

Other characteristics

RoHS compliant (Directive 2011/65/EU & 2015/863/EU RoHS 3)

Halogen-free acc. to IEC 60754-1/2

Smoke-density acc. to IEC 61034

No corrosive fumes

UV-resistant

Permissible temperature range : -25 °C (-13 °F) up to 80 °C (176 °F)

Min. bending radius allowed : repeated 8X \varnothing , single 4X \varnothing

Weight about : 79 Kg/km (52,9 lb/1000ft)

Designation of order

L45467-J816-B6

208122

9Y(ST)CH 4X2X0.6/1.2-100 LI GN FRNC

1000 m (3281 ft) on non-returnable reel

Product has not been tested and classified according to the CPR (EU/305/2011).

The product shall not be permanently installed in buildings in the EU.